

PATENT &  
PATENT PENDING

# VSA System

(VMECA Smart Arm System)



## Smart T-Adaptor



## Feature

- ✓ Quick attachable
- ✓ Easy maintenance
- ✓ Easy replace rubber part (No need tool)
- ✓ No screw (protection screw loose)
- ✓ Compact size
- ✓ High durability
- ✓ Saving cost
- ✓ Less downtime
- ✓ Long life time (life-span)
- ✓ Built in Slide Bearing
- ✓ Ball joint integrated
- ✓ Always return back to center position
- ✓ Wide Angle  
(Angle : +/- 21°, Total 42°)

# SMART ARM

## Available Spacer Length:

- 5 mm
- 15 mm
- 20 mm
- 30 mm
- 70 mm
- 100 mm
- 140 mm
- 170 mm



**A: Pipe Holder**

**B: Spacer**

1. Pipe Holder Size: 25.2 mm  
Spacer Length: 30.0 mm

Order No.:

**VSA01S-T30**

**A** ● ——— ● **B**

2. Pipe Holder Size: 27.4 mm  
Spacer Length: 30.0 mm

Order No.:

**VSA02S-T30**

**A** ● ——— ● **B**

**-SMART CUP T-ADAPTOR**

**- Fixed Type**

Ex) Part No.:

**TSM02**  
(without PAD)

Ex) Part No.:

**TSM03**  
(without PAD)



**A. TSM02**

Pad Size:  $\varnothing 25 \sim \varnothing 40$

Part No.:

**TSM02**

Order No.:

**AB2**

- Compatible with  
VDF 25 / 30 / 40  
FCF 30 / 40  
VBF 25 / 30 / 40 (Coming Soon)

**B. TSM03**

Pad Size: more than  $\varnothing 50$

Part No.:

• **TSM03**

Order No.:

• **AB3**

- Compatible with  
VDF 50 / 60 / 80 / 100  
FCF 50 / 60 / 70 / 80 / 100 / 125  
VBF 50 / 60 / 80 / 100

- SMART CUP T-ADAPTOR  
+  
- Ball Joint

Ex) Part No.:

**TBJ02**  
(without PAD)

Ex) Part No.:

**TBJ03**  
(without PAD)



A. TBJ02

Pad Size:  $\varnothing 25 \sim \varnothing 40$

Part No.:

**TBJ02**

Order No.:

**AC2**

- Compatible with  
VDF 25 / 30 / 40  
FCF 30 / 40  
VBF 25 / 30 / 40 (Coming Soon)

B. TBJ03

Pad Size: more than  $\varnothing 50$

Part No.:

• **TBJ03**

Order No.:

• **AC3**

- Compatible with  
VDF 50 / 60 / 80 / 100  
FCF 50 / 60 / 70 / 80 / 100 / 125  
VBF 50 / 60 / 80 / 100

- SMART CUP T-ADAPTOR
- +
- LEVEL SPRING
- +
- Fixed Type

Ex) Part No.:

**TL20-SM02**  
**(without PAD)**

Ex) Part No.:

**TL20-SM03**  
**(without PAD)**



- Stroke: 20 mm
- 30 mm
- 50 mm
- 70 mm

## A. TL(20/30/50/70)-SM02 Series

Pad Size: Ø25 ~ Ø40

Part No.:

- TL20-SM02  
(Stroke 20mm)
- TL30-SM02  
(Stroke 30mm)
- TL50-SM02  
(Stroke 50mm)
- TL70-SM02  
(Stroke 70mm)

Order No.:

- AK1 (Stroke 20mm)
- AK2 (Stroke 30mm)
- AK3 (Stroke 50mm)
- AK4 (Stroke 70mm)

- Compatible with

VDF 25 / 30 / 40

FCF 30 / 40

VBF 25 / 30 / 40 (Coming Soon)

## B. TL(20/30/50/70)-SM03 Series

Pad Size: more than Ø50

Part No.:

- TL20-SM03  
(Stroke 20mm)
- TL30-SM03  
(Stroke 30mm)
- TL50-SM03  
(Stroke 50mm)
- TL70-SM03  
(Stroke 70mm)

Order No.:

- AD1 (Stroke 20mm)
- AD2 (Stroke 30mm)
- AD3 (Stroke 50mm)
- AD4 (Stroke 70mm)

- Compatible with

VDF 50 / 60 / 80 / 100

FCF 50 / 60 / 70 / 80 / 100 / 125

VBF 50 / 60 / 80 / 100

- SMART CUP T-ADAPTOR
- +  
- LEVEL SPRING
- +  
- Ball Joint

Ex) Part No.:

**TL20-BJ02**  
**(without PAD)**

Ex) Part No.:

**TL20-BJ03**  
**(without PAD)**

-Ball Joint Angle:  $\approx 42^\circ$



- Stroke: 20 mm
- 30 mm
- 50 mm
- 70 mm

## A. TL(20/30/50/70)-BJ02 Series

Pad Size:  $\varnothing 25 \sim \varnothing 40$

Part No.:

- TL20-BJ02  
(Stroke 20mm)
- TL30-BJ02  
(Stroke 30mm)
- TL50-BJ02  
(Stroke 50mm)
- TL70-BJ02  
(Stroke 70mm)

Order No.:

- AJ1 (Stroke 20mm)
- AJ2 (Stroke 30mm)
- AJ3 (Stroke 50mm)
- AJ4 (Stroke 70mm)

- Compatible with

VDF 25 / 30 / 40

FCF 30 / 40

VBF 25 / 30 / 40 (Coming Soon)

## B. TL(20/30/50/70)-BJ03 Series

Pad Size: more than  $\varnothing 50$

Part No.:

- TL20-BJ03  
(Stroke 20mm)
- TL30-BJ03  
(Stroke 30mm)
- TL50-BJ03  
(Stroke 50mm)
- TL70-BJ03  
(Stroke 70mm)

Order No.:

- AE1 (Stroke 20mm)
- AE2 (Stroke 30mm)
- AE3 (Stroke 50mm)
- AE4 (Stroke 70mm)

- Compatible with

VDF 50 / 60 / 80 / 100

FCF 50 / 60 / 70 / 80 / 100 / 125

VBF 50 / 60 / 80 / 100



- SMART CUP T-ADAPTOR
- +
- VACUUM GENERATOR
- +
- Fixed Type

Ex) Part No.:  
**TSM02-202P**  
 (without PAD)

Ex) Part No.:  
**TSM03-202P**  
 (without PAD)



-Vacuum Generator: **VC202P**

A. TSM02-202P

Pad Size: Ø25 ~ Ø40

Part No.: <b>TSM02-202P</b>	Order No.: <b>AF2</b>
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- Compatible with  
 VDF 25 / 30 / 40  
 FCF 30 / 40  
 VBF 25 / 30 / 40 (Coming Soon)

B. TSM03-202P

Pad Size: more than Ø50

Part No.: • <b>TSM03-202P</b>	Order No.: • <b>AF3</b>
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- Compatible with  
 VDF 50 / 60 / 80 / 100  
 FCF 50 / 60 / 70 / 80 / 100 / 125  
 VBF 50 / 60 / 80 / 100



- SMART CUP T-ADAPTOR
- +
- VACUUM GENERATOR
- +
- BALL JOINT

Ex) Part No.:

**TBJ02-202P**  
(without PAD)

Ex) Part No.:

**TBJ03-202P**  
(without PAD)



- Vacuum Generator: **VC202P**
- Ball Joint Angle:  $\approx 42^\circ$

A. TBJ02-202P

Pad Size:  $\varnothing 25 \sim \varnothing 40$

Part No.:

**TBJ02-202P**

Order No.:

**AG2**

- Compatible with
- VDF 25 / 30 / 40
- FCF 30 / 40
- VBF 25 / 30 / 40 (Coming Soon)

B. TBJ03-202P

Pad Size: more than  $\varnothing 50$

Part No.:

• **TBJ03-202P**

Order No.:

• **AG3**

- Compatible with
- VDF 50 / 60 / 80 / 100
- FCF 50 / 60 / 70 / 80 / 100 / 125
- VBF 50 / 60 / 80 / 100

# SMART SUCTION CUPS

Part No.:	VDF25	VDF30	VDF40	VDF50	VDF60	VDF80	VDF100	
Order No.:	CAH1	CAG1	CAA1	CAB1	CAC1	CAD1	CAE1	
Part No.:	FCF30	FCF40	FCF50	FCF60	FCF70	FCF80	FCF100	FCF125
Order No.:	CBH1	CBA1	CBB1	CBC1	CBI1	CBD1	CBE1	CBF1
Part No.:	VBF25	VBF30	VBF40	VBF50	VBF60	VBF80	VBF100	
Order No.:	CDF1	CDG1	CDH1	CDB1	CDC1	CDD1	CDE1	

## Suction Cup T-Adaptor



Part No.:

**TTO-N38M10F**

Order No.:

**A1**

# Non-Rotating Level Spring



Part No.:

**TL20N-N38M10F**

Order No.:

**A2-1**

Part No.:

**TL30N-N38M10F**

Order No.:

**A2-2**

- Stroke: 20 mm  
30 mm

## Suction Cup T-Adaptor – Adjustable Type



Part No.:

**TTA-38M10F**

Order No.:

**A3**

## Suction Cup T-Adaptor + Vacuum Generator



Part No.:

**T202P-N38M10F**

Order No.:

**A4**

-Vacuum Generator: **VC202P**

# Pump Adaptor + Level Spring



Pump Adaptor TA

Part No.:

**TA-L1820TS**

Order No.:

**AI-BE**

## Level Spring

- BA-LSM10F25T18
- BB-LM1030TS
- BC-L1810TS-M10F
- BD-L1810TSE
- **BE-L1820TS**
- BF-L1830TS
- BG-L1850TS-M10F